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<b>DART AEROSPACE LTD</b>	<b>Work Order:</b>	<b>20754</b>
<b>Description:</b> Wearshoe	<b>Part Number:</b>	<b>D2656-31</b>
<b>Drawing:</b> D2656 Rev. C	<b>Qty:</b>	<b>10 11</b>
Page 1 of 1		

Step	Location	Procedure	By	Date	Qty
1	DC	Issue Traveller <b>Dwg not required</b>	HA	04.04.22	10
2	PG	Issue P/O: <u>1006357</u> <b>Email or ship DXF file to vendor</b> Laser Cut per Dwg D2656 flat pattern D2656-31 <b>Material release note required</b>	U	04.04.22	10
3	RG	Receive and Inspect for transit damage <b>Ensure the material note is attached</b>	GAOP	04/05/11	11
4	QC6	Inspect dimensions per template D2656-31T1	18	04.05.13	11
5	GB	Deburr if necessary	SB	04/05/21	11
6	GB	Form on Brake as per Dwg D2656 using Jigs DT8261 and DT8326. <b>Identify as D2656-31.</b>	SB	04/05/21	11
7	QC5	Inspect work to Step 6	18	04.05.20	11
8	FP	Powder Coat Grey (RAL-7012) (Ref. 4.3.5.5) per QSI 005 4.3	2	04.06.18	11
9	QC3	Inspect Powder Coat	MM	24.06.21	11
10	FP	Identify and Stock	2	04.06.21	11
11	AC	Cost / part: <u>12.85</u>	SAC	04.06.22	11
12	DC	Close W/O <u>9.18</u> Inspect Level 21	HA	04.06.22	11

Rev	Date	Change	Revised By	Approved
A	97.12.04	New Issue		
B	99.03.16	Re-format	DM	
C	00.11.01	Removed P/O for powder coat – in house process	EC	
D	02.10.25	Re-format	KJ RF	HA

**RELEASED**  
02/10/30 RF

Work Order:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Manuf / Design Mgr	Approval QC Inspector

NCR		WORK ORDER NON-CONFORMANCE						
DATE	STEP	Description of NC section A	Corrective Action Section B		Sign & Date	Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial					

PAR#: \_\_\_\_\_ Fault Category: \_\_\_\_\_ DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**NOTE:** Date & initial all entries  
H:\Admin-QA\ISO\forms\w\oncB.doc

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

# Job Costing Report

Dart Aerospace Ltd.  
Hawkesbury

Apr 22, 2004  
11:03 am

Work Order No : 0020754  
Project Name : D2656-31  
Project For : WK420  
Work Order Type : Main  
Main WO Number :  
House Part Number : D2656-31  
Description : Wearplate  
Manufactured : Yes  
Amount Req'd : 10  
Amount Done : 0  
Start Date : 04-22-04  
Est Finish Date : 05-12-04  
Act Finish Date :  
Drawings Req'd : No  
Ok for Approval :  
Approval Rec'd :

Department Code:  
Burden Flags : NNNNNNNN  
WO Status : Open  
Invoice State : Not Invoiced  
Invoice Date :  
Invoice Number :  
Invoice Amount : 0.00  
  
Order Entry No :  
OE Value : 0.00  
  
Est Margin : 0.000%  
Actual Margin : 0.000%  
  
\$0 Posted to Finished Goods

	Estimated	Actual	Var. %	Posted	To Post
Material Cost :	0.00	0.00	0.00	0.00	0.00
Engineering Hours :	0.00	0.00	0.00		
Engineering Cost :	0.00	0.00	0.00	0.00	0.00
Production Hours :	0.00	0.00	0.00		
Production Cost :	0.00	0.00	0.00	0.00	0.00
Packaging Hours :	0.00	0.00	0.00		
Packaging Cost :	0.00	0.00	0.00	0.00	0.00
OverHead Hours :	0.00	0.00	0.00		
OverHead Cost :	0.00	0.00	0.00	0.00	0.00
CNC Hours :	0.00	0.00	0.00		
CNC :	0.00	0.00	0.00	0.00	0.00
Misc. Hours :	0.00	0.00	0.00		
Misc. :	0.00	0.00	0.00	0.00	0.00
Burden :	0.00	0.00	0.00		
Total Cost :	0.00	0.00	0.00		
Margin :	0.000	0.000			
Selling Cost :	0.00	0.00			

	Estimated	Actual
Labour Hrs/Amount Done :	0.00	0.00
Profits/(Loss) :	0.00	0.00

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 185045 02

Mail To:

ALASKAN COPPER & BRASS CANADA, INC.  
P.O. BOX 3546  
SEATTLE, WA 98124-3546

Ship To:

ALASKAN COPPER & BRASS CANADA, INC.  
225 NORTH ROAD AVENUE  
COQUITLAM, BC V3K3V7  
CANADA

Date: 5/06/2003

Page: 1

Steel: 304

Finish: 2B

Your Order: V033868

NAS Order: AE 0249852 03

Corrosion: ASTM A262/01E; 180 Bend-OK

## PRODUCT DESCRIPTION:

STAINLESS STEEL SHEET, COLD ROLLED, ANNEALED AND PICKLED.  
ASTMA240/01, A480/01, A666/00, ASMESA240/01, SA480/01, SA666/01  
QQS766D-A X MG PRM, AMS5513G X MRK&FIN, MIL5059D, AMD3, X CRWN MEAS

## REMARKS:

Material free from mercury contamination. No weld repairs.

Product ID #	Coil #	Thickness	Width	Weight	-----Length-----	Mark	Pieces
A96138	* 0415N6 D	.0600	60.0000	4,940	120.0000	SHEET 8	42

## CHEMICAL ANALYSIS

Heat	C	CR	CU	MN	MO	N	NI	P	S	SI
15N6	.059	18.401	.333	1.726	.366	.051	8.161	.029	< .001	.395

## MECHANICAL PROPERTIES

Product ID #	Coil #	l d o i c r	UTS KSI	.2% YS KSI	ELONG %-2"	Hard RB	Tail H Tail
A96138	0415N6	F T	96.06	49.79	48.68	85.00	88.00

16 GA 304 2B.

QC ENGINEER

5 2003

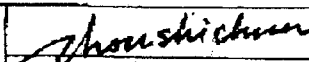


宝山钢铁股份有限公司  
BAOSHAN IRON & STEEL CORPORATION LTD.

# 产品质量证明书

## INSPECTION CERTIFICATE

上海市宝山区同济路 1800 号 邮编 201900  
1800 TONGJI ROAD, BAOSHAN DISTRICT  
201900 SHANGHAI, P. R. CHINA  
TEL (021) 26645386  
FAX (021) 56601754

订货单位 CUSTOMER	宝钢集团国际经济贸易总公司						P003020P002						产品名称 PRODUCT		COLD ROLLED STEEL SHEET IN COIL																	
收货单位 PURCHASER	宝钢集团国际经济贸易总公司												代号 CUSTOMER'S NO.		009155		证书号 CERTIFICATE NO.		SFTG0630D00 01													
标准 SPECIFICATION	ASTM A366-50 PT.A-PW.A						客户订单编号 CUSTOMER ORDER NO.						签发日期 DATE OF ISSUE		2000/07/06		交货日期 DATE OF DELIVERY		2000/07/03													
													许可证号 LICENSE NO.				合同号 CONTRACT NO.		LA30050J02													
序 号 NO.	钢 卷 号 COIL NO.	捆 包 号 PACK NO.	件 数 QTY	炉 号 HEAT NO.	规格及重量 MATERIAL DESCRIPTION			化学成分 CHEMICAL COMPOSITION % (熔体分析 HEAT ANALYSIS)														拉伸试验 TENSILE TEST (G.L.=L2)				考 核 项 目 TEST	硬度 HARD NESS	冲击 TAP TEMP	BRI 值			
					厚度 THICK	宽度 WIDTH	长度 LENGTH	张数 SHEETS	重量 MASS (kg)	C	Si	Mn	P	S										屈服 Y.S.	抗拉 T.S.						伸长 EL	断后 延伸率 %
1	1450051	07	1	125420				8890	4		23	16	13								275	361	38					66				
2	1450051	03	1	125420				8880	4		23	16	13								275	361	38					55				
3	1450053	01	1	125400				6840	4		23	16	13								275	363	38					57				
4	1450053	02	1	125420				6760	4		23	16	13								275	363	38					57				
5	1450053	03	1	125420				6730	4		23	16	13								275	363	38					57				
6	1450053	04	1	125420				6760	4		23	16	13								275	363	38					57				
7	1450054	02	1	125423				8680	4		24	18	11								279	356	39					54				
8	1450054	03	1	125423				8550	4		24	18	11								279	356	39					54				
9	1450054	04	1	125423				8290	4		24	18	11								279	356	39					54				
10	1450055	02	1	125424				8820	3		23	14	11								265	351	40					55				
合计 Total			转下页			转下页			SIZE: 0.0350 "NOM X48.000" X																							
备注 REMARKS																																
注释 NOTES			Y.S.= YIELD STRENGTH    T.S.= TENSILE STRENGTH    EL= ELONGATION    G.L.= GAUGE LENGTH    L1= 5.65SQRT(FO)    L2= 50MM    L3= 80MM #01:NFB    #02:NBF    #03:HR30T    #04:HV    #05:HR15T    #06:ERICHSEN																													
检验者 SURVEYOR TO			本产品已按上述要求进行制造和检验，其结果符合要求，特此证明。 WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION.																													
			 技术部部长 DIRECTOR OF TECHNICAL DEPT.																													

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